

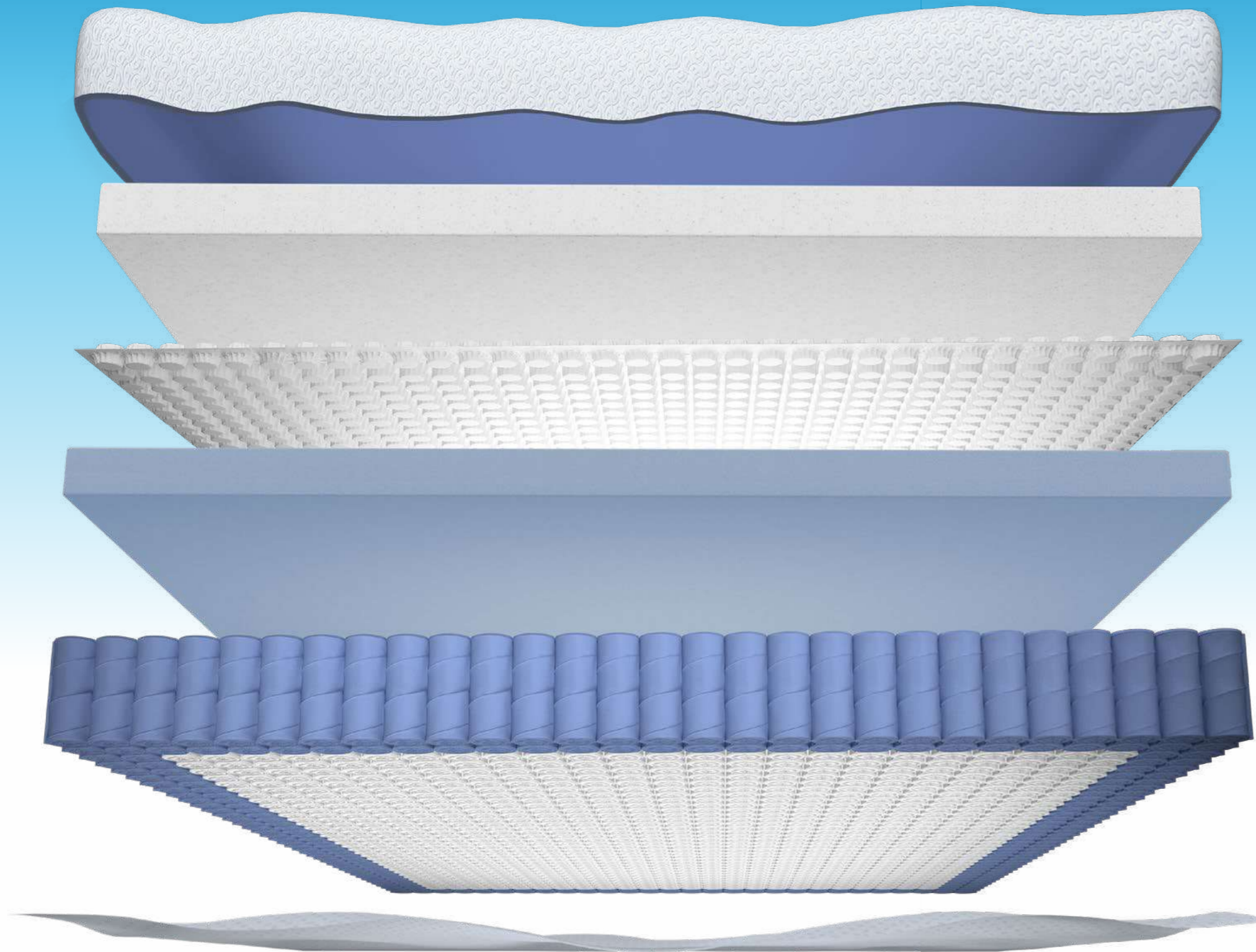
*Leggett & Platt*<sup>®</sup>  
BRASIL

# INNERSPRING LINE

— 2023 / 2024 —

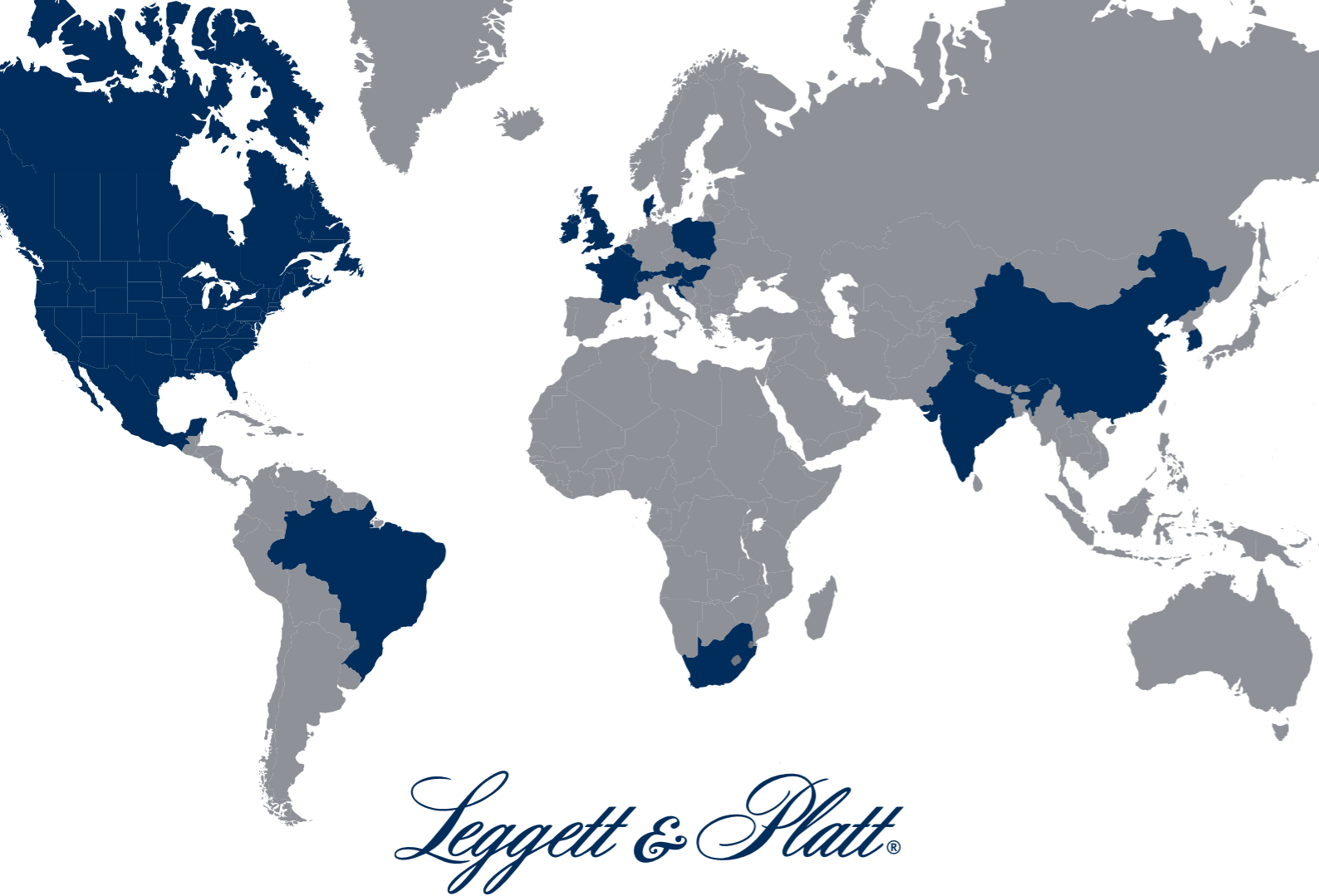






## TABLE OF CONTENTS

About Leggett & Platt.....	4
Leggett & Platt in Brasil.....	6
Technologies We Produce in Brasil.....	8
Evolution of Mattress Springs.....	10
Spring Technologies.....	11
Individual Springs.....	12
LFK.....	12
VertiCoil®.....	13
Pocket springs.....	14
Comfort Core® - Innersprings.....	14
Extreme.....	14
Multi-support.....	15
Zone.....	15
Caliber Edge®.....	16
Bed in a box.....	17
Comfort Core® Comfort Layers.....	18
Eco Pillow.....	19
NanoCoil®.....	19
Continuous-Wire Springs.....	20
Superlastic®.....	20
Mira-Coil®.....	21
Labels.....	22
Specifications.....	23
Keep in Mind.....	24



Leggett & Platt®

## ABOUT LEGGETT & PLATT

### OUR MISSION & VISION

Since 1883, our goal has been simple – help people lead more comfortable lives. We started by inventing a bedspring that helped people get a better night’s sleep. No longer just The Components People, we’ve expanded this mission to nearly every part of daily lives: specialty foam, car seats, flooring underlayment, home and work furniture, even airplanes and hydraulic cylinders. Though you may not see them, you likely encounter our products every day.

### OUR PRODUCTS ARE ALL AROUND YOU

Leggett & Platt is a designer and manufacturer of automotive seating comfort systems and suspension components. As the leader in technology for seating comfort, Leggett & Platt has extended its expertise into other comfort and convenience applications such as powered rear lift gates, third-row seat fold and tumble systems, and door handle presenters. Leggett & Platt produces welded and seamless tubing, formed tube assemblies, and flexible joints from titanium, nickel, stainless steel, and other high-strength metals for use in fluid conveyance systems on aircraft. Leggett & Platt is also a supplier of hydraulic cylinders used primarily in forklifts, lift trucks, and construction equipment.

LEGGETT & PLATT HAS MORE THAN 130 FACILITIES IN 17 COUNTRIES, AND WORKS IN THREE KEY SEGMENTS:

### BEDDING PRODUCTS

With unrivaled R&D, Leggett & Platt consistently develops new, leading-edge sleep technologies and is at the forefront of the rapidly growing online mattress market. Our innerspring, specialty foam, and finished goods product development and production capabilities allow us to create value at each point, from raw materials all the way to private label finished goods and delivery to the consumer.

#### Business Units:



- Domestic Bedding
  - Rod-Wire-Spring
  - Specialty Foam
  - Adjustable Bed



- International Bedding
  - Europe
  - South America
  - Asia



- Machinery

### SPECIALIZED PRODUCTS

From the airways to the street, Leggett & Platt provides high-performance automotive comfort and convenience systems; aerospace tubing, ducting, and fabricated assemblies; and hydraulic cylinders for the material handling, construction, and transportation industries.

#### Business Units:



- Automotive



- Aerospace Products



- Hydraulic Cylinders

### FURNITURE, FLOORING, AND TEXTILE PRODUCTS

Leggett & Platt designs, manufactures, and distributes seating components and finished products, carpet cushion and hard-surface flooring underlayment, and textiles and geo components that help customers lead a more comfortable life no matter where they are.

#### Business Units:



- Home Furniture



- Fabric Converting



- Work Furniture



- Geo Components



- Flooring Products





## LEGGETT & PLATT IN BRASIL

In 1999, Leggett & Platt began its operations in Brasil. Today, the Brazilian branch is the largest innerspring manufacturer in the Southern Hemisphere and has two separate divisions:



### 1. BEDDING

(MATTRESS INNERSPRINGS)

Products for manufacturing mattresses using different technologies – individual, continuous wire, and pocket springs.



### 2. FURNITURE MECHANISMS

(RECLINER MECHANISMS AND ACCESSORIES)

Springs and mechanisms for the manufacture of reclining beds, armchairs, and sofas.



## CAMANDUCAIA/MG FACILITY

First manufacturing facility in the country. This 15,000 m<sup>2</sup> production area is where most innersprings are produced, in addition to administrative areas directly related to production and product quality.



Leggett & Platt's Brazilian operation is considered one of the best in the world. We have cutting-edge equipment with the most highly advanced technology available in Brasil and abroad. We create unique features for our products that are innovative and more sophisticated than those where the main concern is cost/benefit ratio.

Our modern structure and team of highly trained professionals working within our streamlined culture make Leggett & Platt a formidable partner for the mattress industry in all of South America.



# TECHNOLOGIES WE PRODUCE IN BRASIL

Leggett & Platt's innerspring manufacturing is divided into three groups, based on the type of spring they use:



## INDIVIDUAL SPRINGS

- LFK
- VertiCoil®



## POCKET SPRINGS

- Comfort Core® line



## CONTINUOUS-WIRE SPRINGS

- Superlastic®
- Mira-Coil®

Every technology has the following features in common:

### ACTIVE SUPPORT TECHNOLOGY®

Active Support Technology® is a coil feature that provides comfort and active body support while the product is in use. This means that springs adjust instantly to movement, allowing muscles as well as the rest of the body to relax into the most natural position.

Other mattresses without quality springs or with an insufficient number of springs do not provide this support, causing the body to contort into uncomfortable positions. This increases pain and overloads the musculature, not allowing the body to relax enough for restful sleep.

### ISOLATED-SUPPORT WARRANTY

Regardless of the build system, in all Leggett & Platt innersprings the movements generated by the weight of a person's body on one side of the mattress are isolated so that they are not transferred to the other side.



**In addition to these common characteristics, each technology has specific features and benefits that are described in the following pages.**



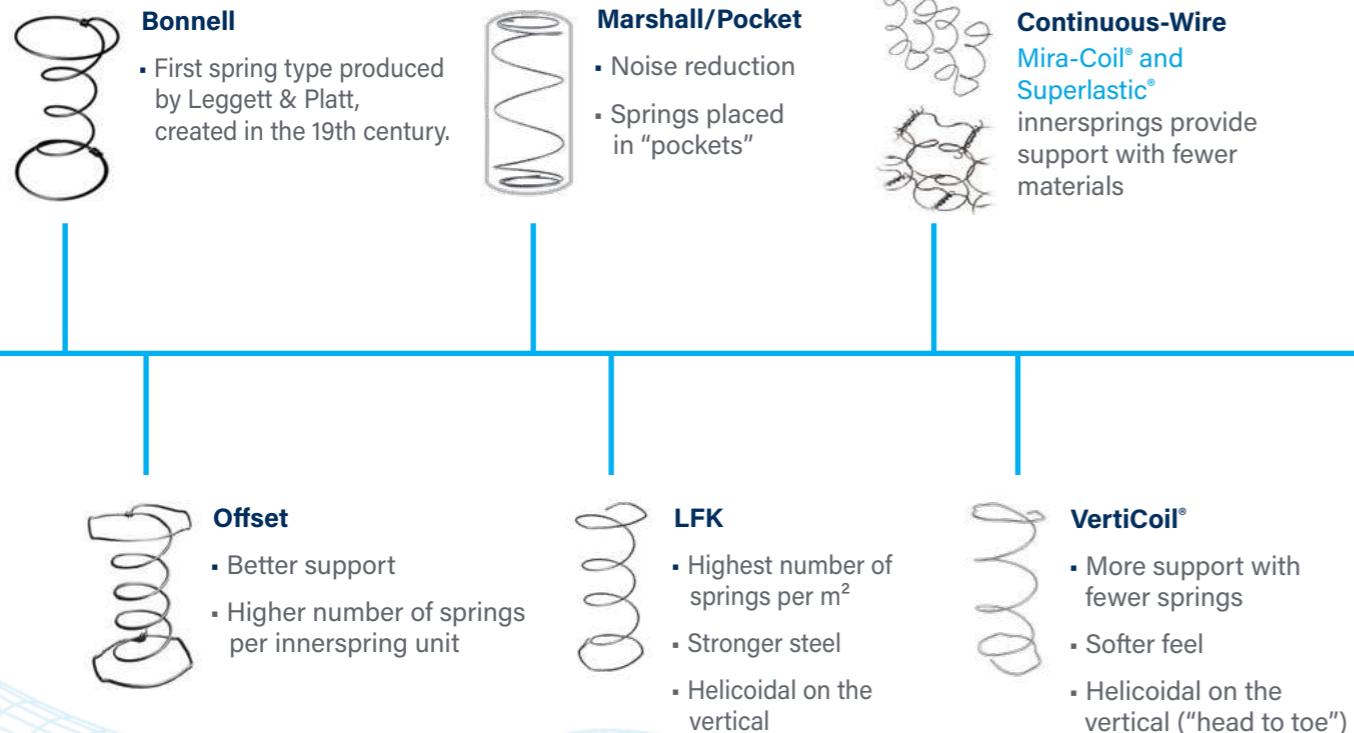


# THE INNERSPRING IS THE “HEART” OF THE MATTRESS.

Learn more about the different Leggett & Platt innerspring types and technologies on the following pages.



## EVOLUTION OF MATTRESS SPRINGS



## INDIVIDUAL SPRINGS

Springs manufactured in separate units that are then joined using spiral wires to create the innersprings. These spiral wires are called “helicoidal” and constitute part of the edges to ensure the entire innerspring system is conjoined. This type of spring is used in the **LFK** and **VertiCoil®** innerspring units.



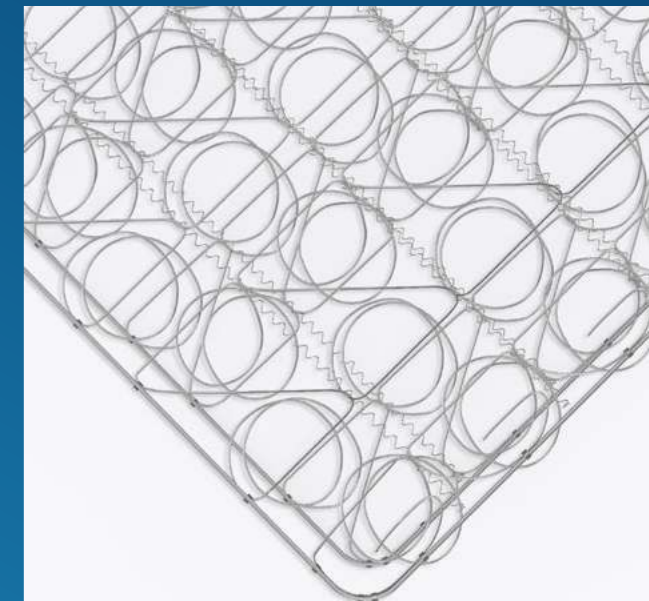
## POCKET SPRINGS

These springs are individually pocketed in nonwoven fabric and joined using glue and ultrasonic welding. This type of spring can also be used to make a comfort layer in mattresses. This is Leggett & Platt’s **Comfort Core®** technology.

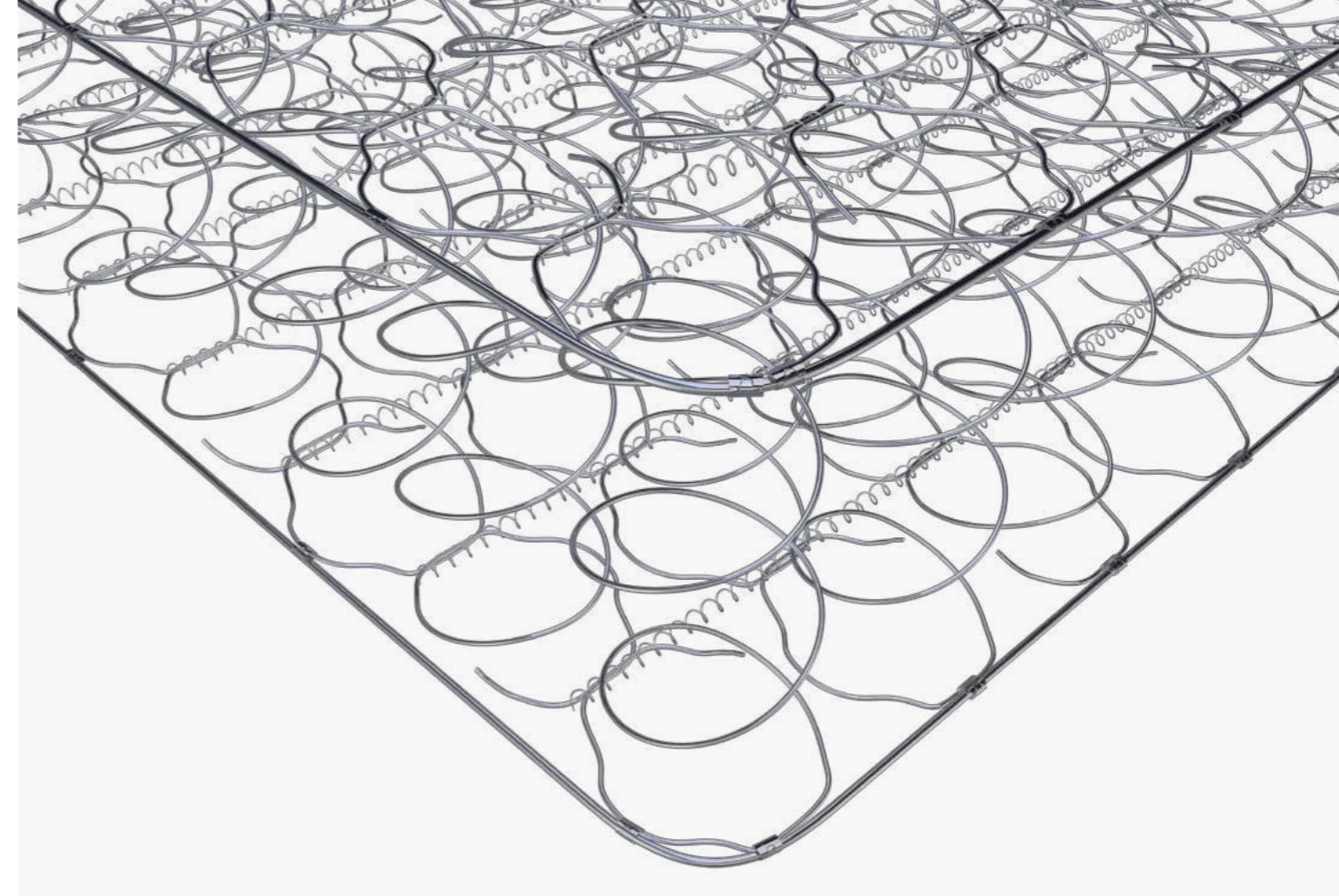
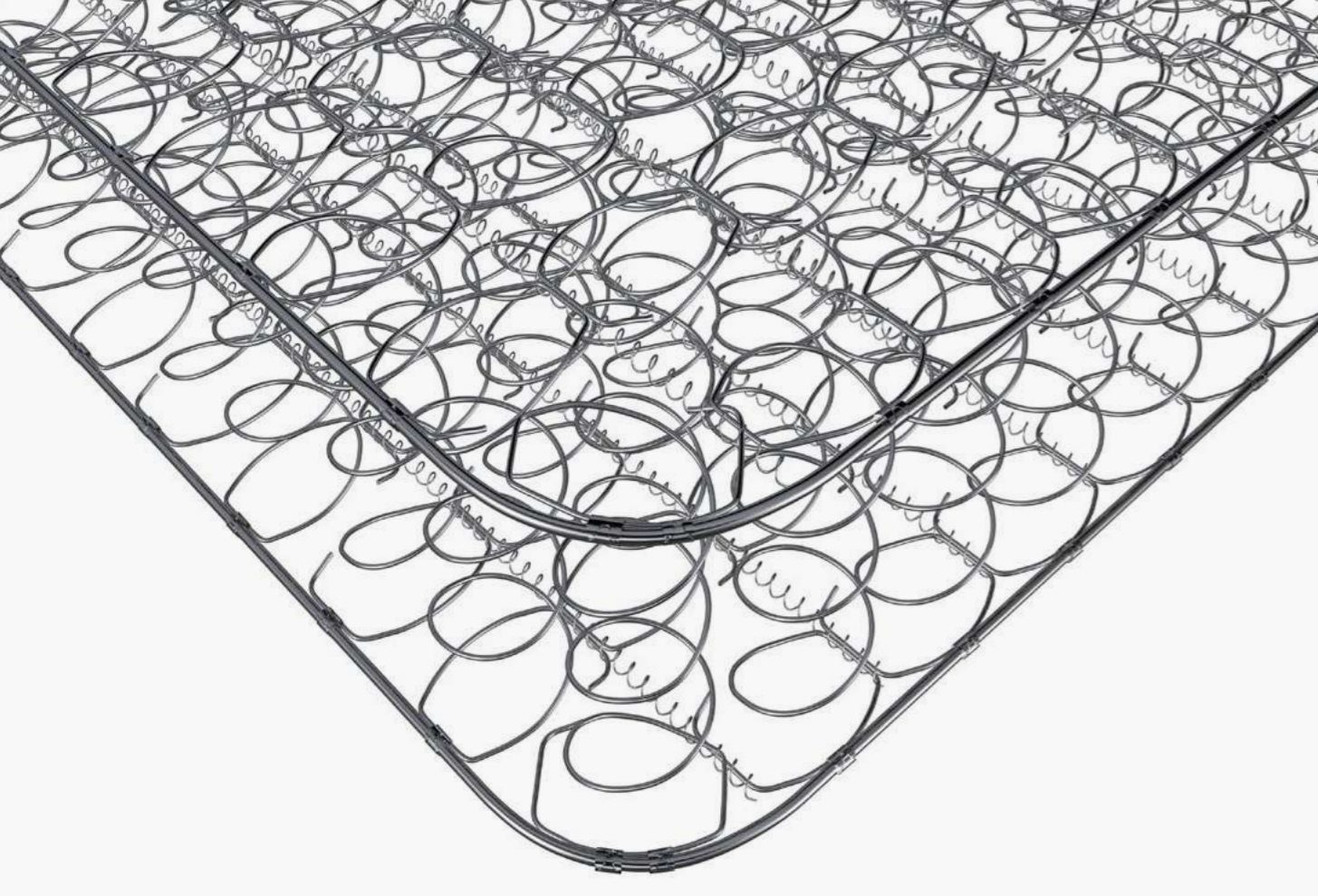


## CONTINUOUS-WIRE INNERSPRINGS

These springs are manufactured for creating an innerspring from just one piece of wire. This innovative design enables a unique manufacturing process that allow coils to be interconnected – providing superior firmness and a high degree of individuality. This is the spring type used in the **Superlastic®** and **Mira-Coil®** families.







## LFK



Composed of individual springs, LFK is the smallest in size compared to our other technologies. It provides more coils by area, increasing coil counts and making it one of the firmest innersprings available.

- Contains torsion arms and reinforced edges to provide extremity support.
- The barrel-shaped spring means 100% of the wire acts as a support while the spring is in use.
- It is more sensitive to the contours of the body, making it quite versatile and suited to any body type (ideal for hotels and other accommodations).

## VertiCoil®



Featuring patented Leggett & Platt technology, VertiCoil is one of the best options for mattress manufacturers who use the Bonnell spring and intend to migrate to a more modern technology.

- It has 20% more springs than most Bonnell models on the market.
- Designed with a unique, vertical helicoidal wiring system that reduces spring vibration with movement.
- Ideal for those who prefer a soft mattress or have a lighter body type.
- Includes an extremity that provides a broader area of contact to compensate for its smaller number of coils
- The best option for lower-end (i.e., less expensive) products.
- These features are good for making spare beds and bunk beds.










## Comfort Core® – Innersprings

### Comfort Core® Extreme



This is the most traditional version of the pocket springs, with different options and measurements to meet all sorts of needs. Available in the 170, 188, 210, and 215 versions.

See the difference Leggett & Platt pocket springs provide in terms of firmness, stability, and durability:

- 
**Extreme Comfort Technology in the Springs**  
 Individually pocketed, they guarantee movement absorption with active support and rapid responsiveness to body movement.
- 
**Less Noise and Wear**  
 Due to production of highly resistant and double-tempered steel.
- 
**Best Raw Materials**  
 Produced with high-strength and double-tempered wire.
- 
**Use of High-Quality Fabric**  
 The specially made fabric is denser and minimizes conjunction and friction noises between the springs, ensuring less wear and tear.
- 
**Will Not Deform**  
 Each spring is pre-loaded when it is placed in the fabric pocket to provide the greatest degree of elasticity and support.
- 
**Each Framework is Built with Excellence**  
 The surface creates the best rest and relaxation sensation.

### Comfort Core® Multi-Support



The structure of this innerspring is extremely innovative. The 23-cm-high springs provide two levels of firmness.

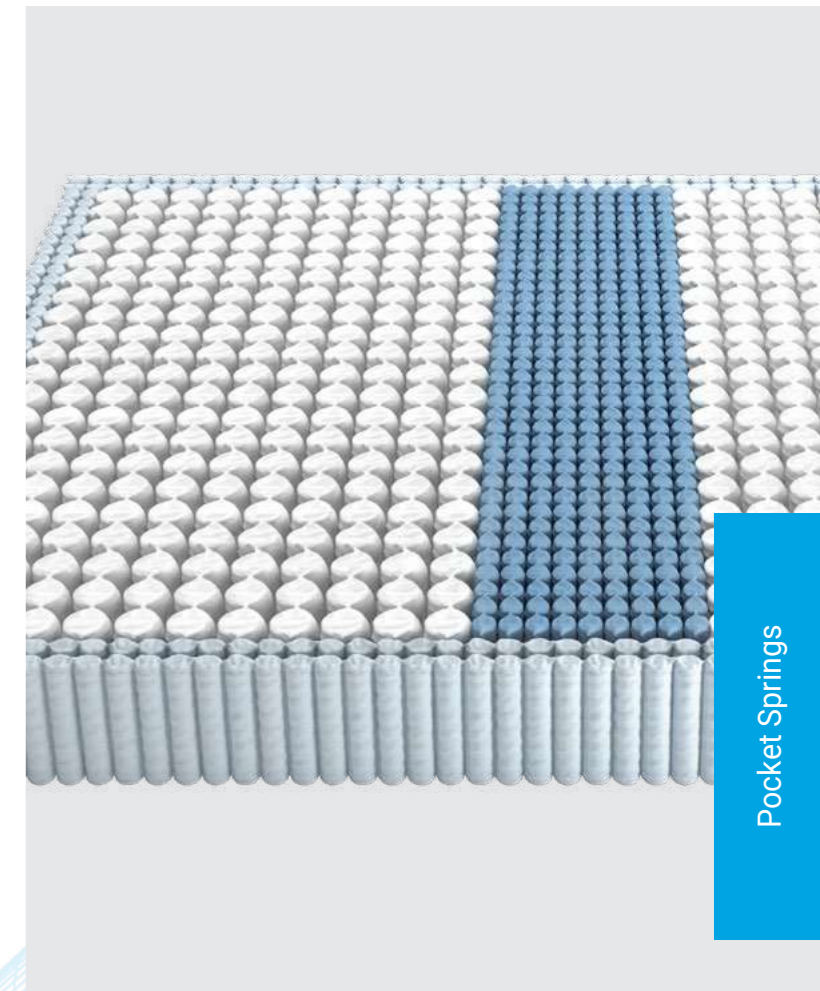
The first level of 3 cm in height supplies comfort. The second level provides firmness. This innerspring perfectly adjusts to any body type, so a person can feel comfortable and be properly supported.

A great innerspring choice for couples with different body types, its construction also allows for a significant reduction in the use of foam in the comfort layer.

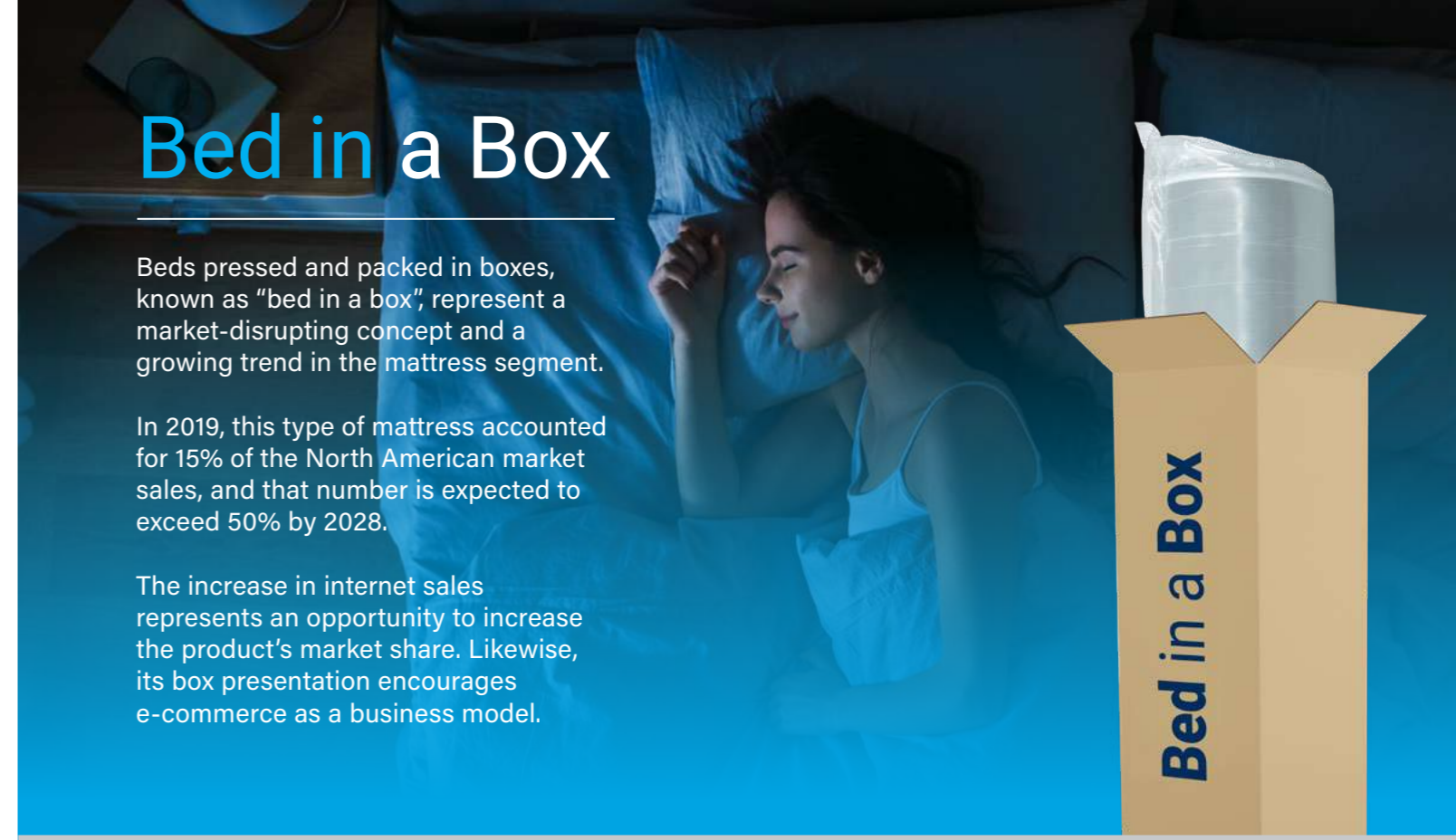
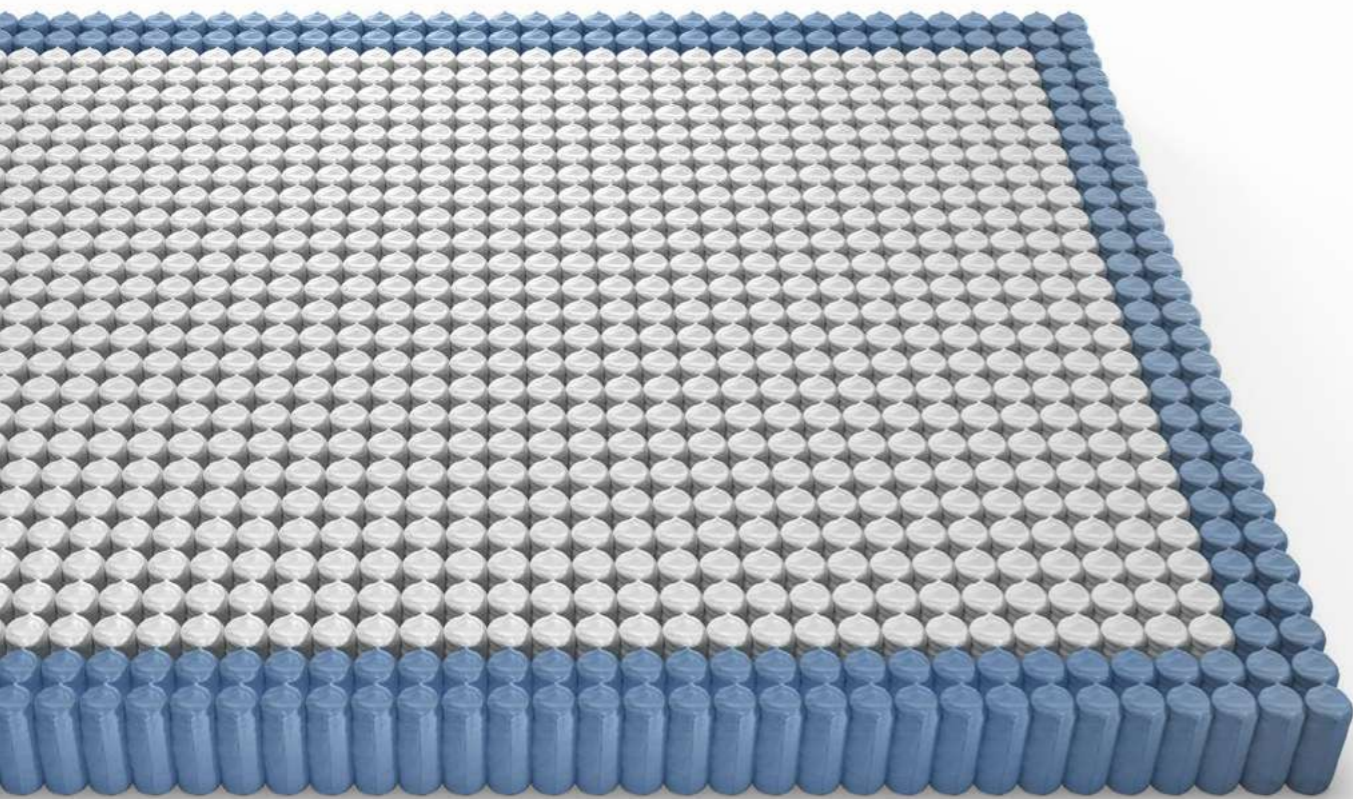
### Comfort Core® Zone



A new, innovative option in pocketed innersprings, Zone is a pocket unit with different zones of springs – providing a variety of firmness. As the head, arms, torso, and legs contact the mattress, different areas of the body will experience varying levels of firmness. The sizes and dimensions of the Comfort Core Zone units are defined according to the customer's request.







## Bed in a Box

Beds pressed and packed in boxes, known as “bed in a box”, represent a market-disrupting concept and a growing trend in the mattress segment.

In 2019, this type of mattress accounted for 15% of the North American market sales, and that number is expected to exceed 50% by 2028.

The increase in internet sales represents an opportunity to increase the product’s market share. Likewise, its box presentation encourages e-commerce as a business model.

## Caliber Edge®

The innerspring is placed around a central innerspring unit of pocket springs, creating a frame that completely does away with a foam edge around the mattress.

The springs on the innerspring edge are 30% firmer than the springs in the center. That eliminates the sensation of rolling off the mattress, increasing user safety and comfort.

By replacing foam borders in mattress manufacturing, this innerspring guarantees the set will be 26% more durable.

Some advantages of the Caliber™ spring in comparison with the foam border:

- This distinct product comes ready with an 18-cm-high coil.
- High-firmness springs are placed along the entire perimeter of the mattress.
- Tests performed demonstrate productivity gains of up to 25%, depending on the mattress configuration and manufacturing process.
- Provides a larger smooth surface (even on the sides).
- More durable.
- Promotes temperature-regulated sleep comfort.
- More comfortable for the mattress user.

## Why is a bed in a box an excellent option for the industry and users?

- Practical, especially for transportation.
- Lower logistics costs – both in storage and freight.
- Easy to take out of the box to revert to normal size.
- Ideal for small residences; easy to bring into a room and set up.

However, this category of products does lead to some concerns for manufacturers:

- How do you guarantee the mattress returns perfectly to its normal size once it is removed from packaging?
- How do you prevent deformation of the foam on the mattress edges?
- How do you keep the mattress edges from sagging?

Comfort Core® innersprings are the best option for making mattresses that will be compressed in a box, eliminating the key concerns related to performance. The whole mattress is spring supported – even on the sides – along its entire perimeter.

As a result:

- It is easier to compress, fold, and roll the product.
- The springs fold 24% easier, making it simple to pack.
- Because the springs are so resistant, the mattress returns to its normal state perfectly once it is taken out of the box.

As you are developing a pressed mattress for your industry, consider doing so using Leggett & Platt’s Comfort Core®. You can be sure you are offering a high-performance product that will surprise your customers.



# Comfort Core® Comfort Layers



The pocket spring technology Leggett & Platt employs may be configured as an excellent alternative to foam as the comfort layer. It can also be used in conjunction with foam, allowing the foam layer to be thinner.

With so many configurations, the Comfort Core® line for the comfort layer offers more durability than foam and promotes an excellent sense of comfort and relaxation.



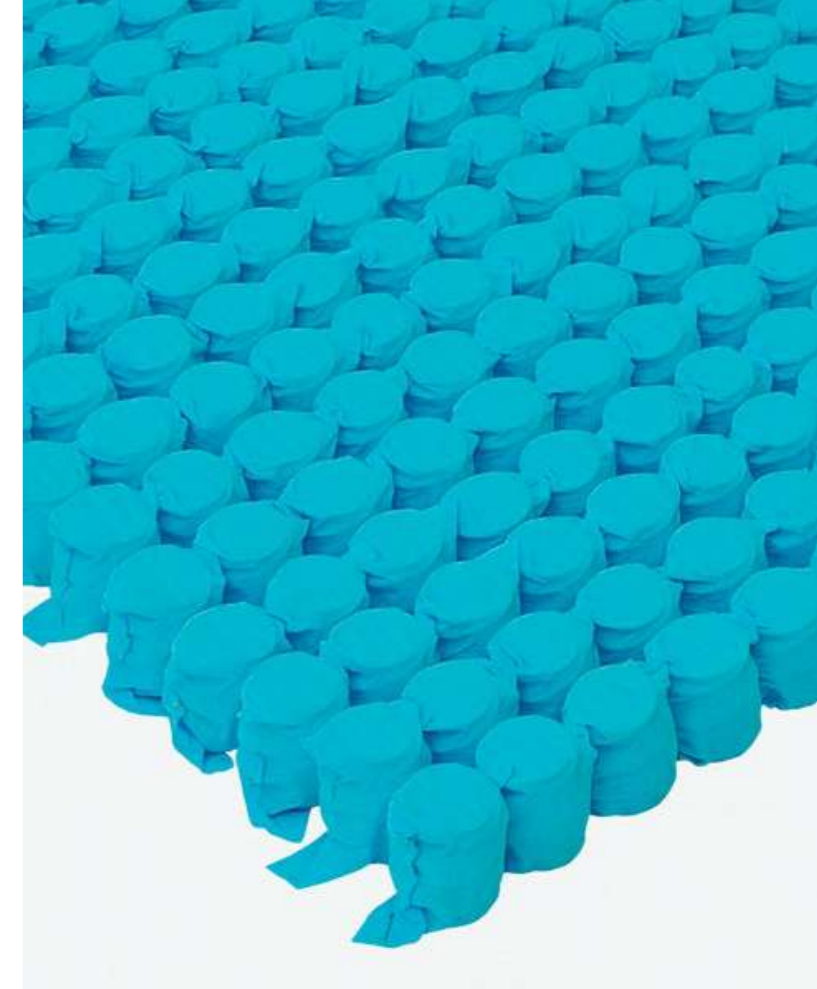
## Comfort Core® Eco Pillow



Innerspring with 8-cm-high coils made with 2.0- or 1.7-mm-gauge wire.

Can be adapted to different uses, including pillows.

Available in 2.0 mm gauge (firmer).



## Comfort Core® NanoCoil®



Innerspring with 2.5-cm-high springs.

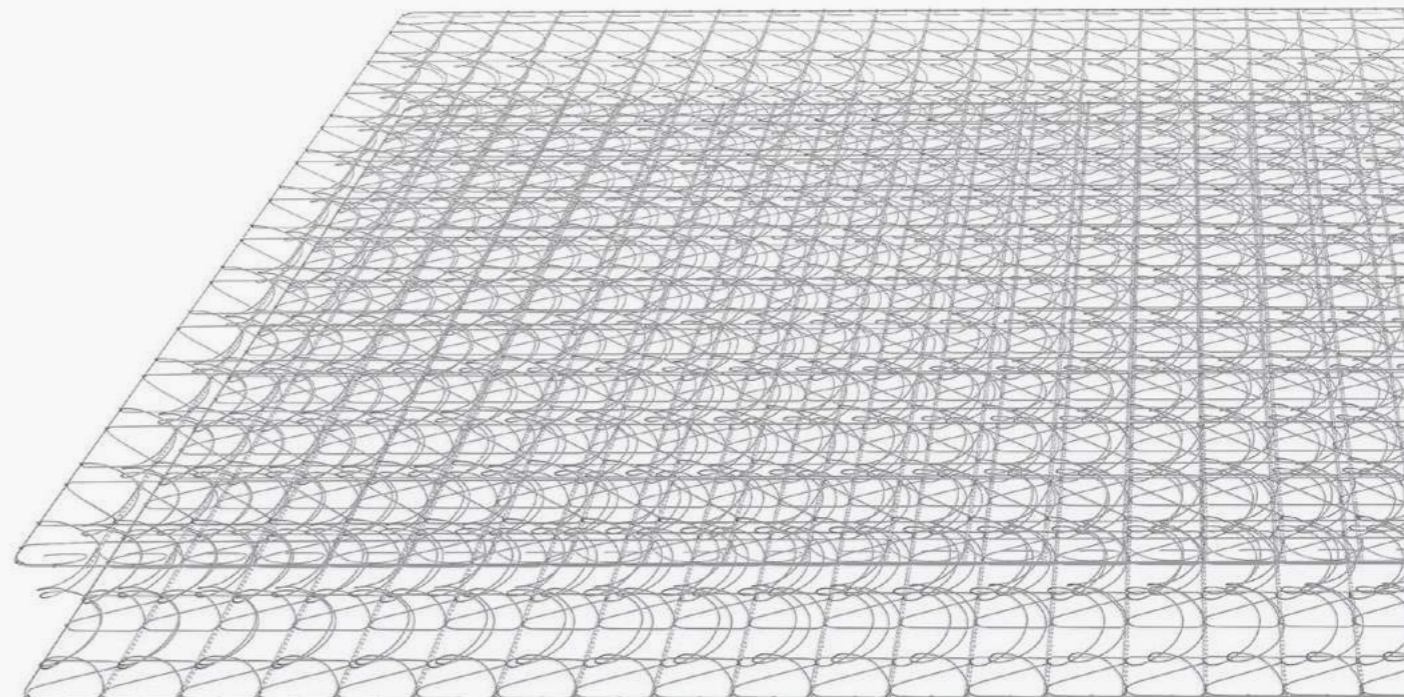
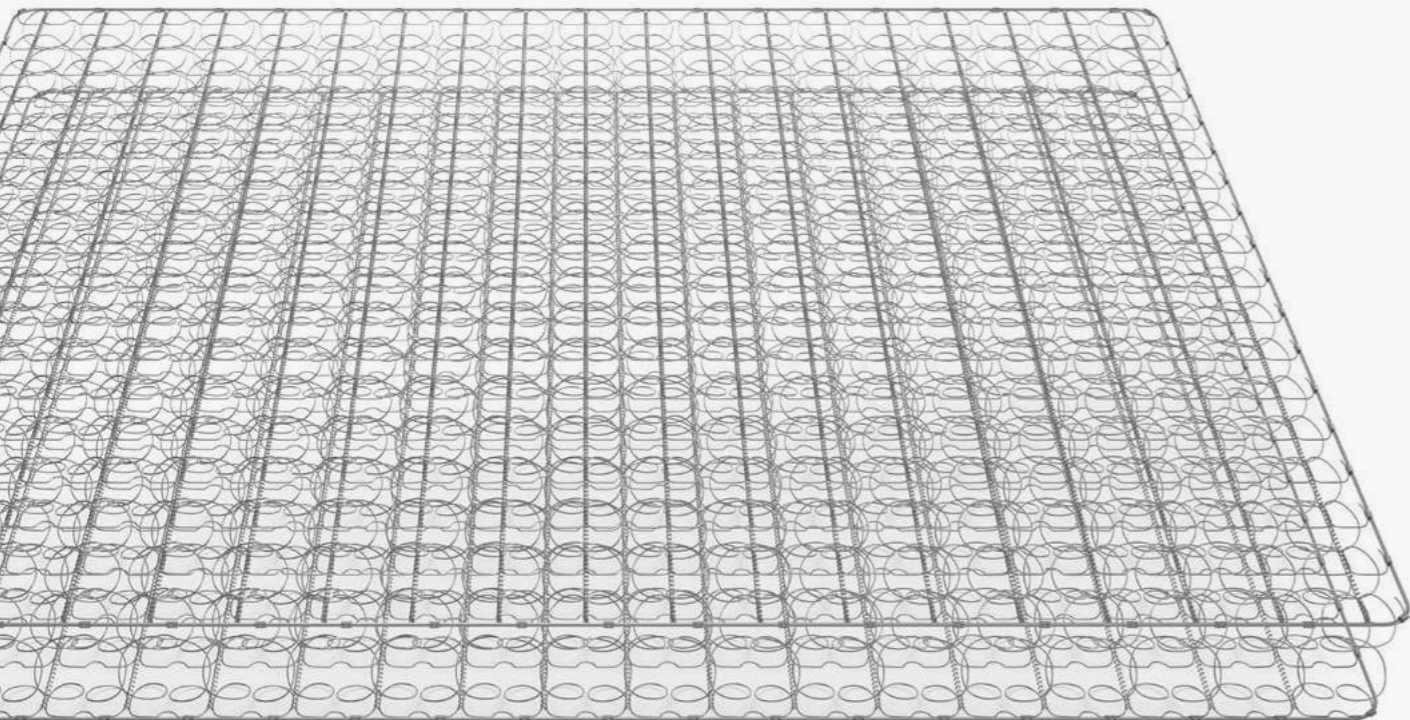
Won't lose firmness over time, always returning to its original position.

An effective option for promoting a distinct level of comfort.

Provides optimum airflow within the comfort layers for enhanced temperature regulation.







## Superlastic®

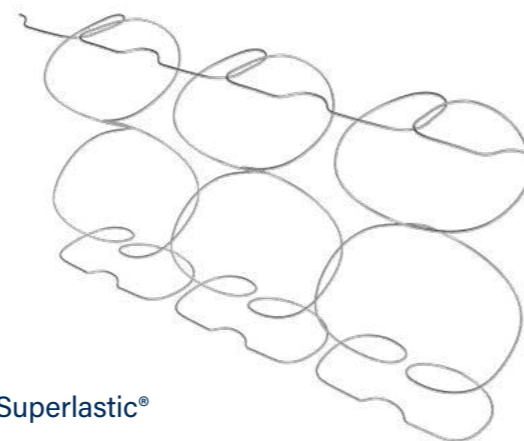


Continuous-wire springs that are not interlaced make up an innerspring unit that combines high-tension wire technology with an innovative design. Its coils become progressively firmer as they are compressed.

This modern technology offers firmness with the use of less wire, making it lighter and easier to handle.

Available in the following versions:

- High Spring
- Low Coil



Superlastic®

## Mira-Coil®

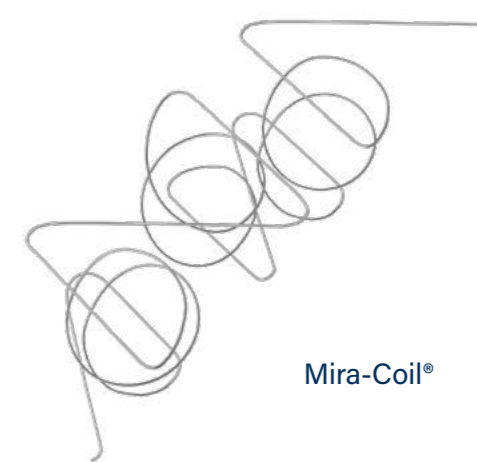


The Mira-Coil® innerspring, as well as the equipment used to produce it, was completely designed by Leggett & Platt. It secured a patent for it in the United States, as well as in 22 other countries. This exclusive technology contains continuous-wire springs that are not interlaced and made with wire designed specifically for this application.

This technology makes the innerspring much firmer, providing a greater sense of comfort and durability for heavy-set users or users who prefer firmer innersprings.

The continuous wire does not take away from the sense of comfort for people who share mattresses – it just makes weight distribution more efficient across the set and eliminates the “dent” that occurs where the heavier person sleeps.

Since its release, Mira-Coil® has been hailed as the world’s most innovative sleep surface, winning a reputation as the primary innerspring for high-quality mattresses.



Mira-Coil®






# Labels

We have created a classification system for our technologies, enabling our customers to make purchasing decisions more easily. Leggett & Platt supplies these classifying labels free of charge to all customers in the exact quantity of innersprings they purchase so they can be sewn into the mattresses.

The label displays the innerspring name, its classification (Diamond, Gold, or Silver), and a QR code that contains information about the technology within the mattress. This initiative supports mattress salespeople during an approach with a client and adds great value at the point of sale.

It is now even easier to make decisions based on cost/benefit, superior performance, and exclusive distinctions.

Diamond	Gold	Silver
		
Comfort Core® Caliber Edge® LFK Mira-Coil® Eco Pillow Comfort Core® Multi-Support	Superlastic® High Spring Comfort Core® Extreme	Superlastic® Low Coil VertiCoil® Low Coil VertiCoil® HT 323 Comfort Core® (various)

# Specifications

The following includes a summary of information about each innerspring technology offered by Leggett & Platt.

	Technology	Family	Borders	Springs / sqm	Gauge	Height (cm)	Series	
Individual Springs	LFK	420	No	158 a 174	2.1	15.0	Diamond	
	VertiCoil®	Low Coil	304 VTLC	No/1B	122	2.0 / 2.1	12.5	Silver
		323 VTHT	No/1B/2B	129	2.1	15.0	Silver	
Pocket	Comfort Core®	170 EXTB	No	170	2.0	13.5 / 15.0	Silver	
		170 CCLB	No	170	2.0	12.0	Silver	
		170 MAXB	No	170	2.0	10.0	Silver	
		188 EXTB	No	188	2.0	13.5 / 15.0	Silver	
		205 AST / ASTB	No	205	2.0	20.0	Gold	
		210 CCL	No	210	2.0	15.0	Gold	
		210 PLTB	No	210	2.0	12.0	Gold	
		210 ASTB	No	210	1.8	18.0	Gold	
		215 EXT / EXTB	No	215	2.0	15.0	Gold	
		Eco Pillow	208 AST	No	208	1.7 / 2.0	8.0	Diamond
		Caliber	200 EXCL	No	200	2.0	15.0	Diamond
		COZO	233	No	233	2.0	18.0	Diamond
		ZOCL	250	No	250	2.0	18.0	Diamond
		ZONE	255	No	255	1.8 / 2.0	18.0	Diamond
		Multi Suporte	267 MS	No	267	1.8	23.0	Diamond
Nano Coil	678 SRN	No	680	1.3	2.5	Diamond		
Continuous-Wire	Superlastic®	High Spring	468 SLHS	1B/2B	187	2.0	15.0	Gold
		Low Coil	468 SLLC	1B	187	1.8 / 2.0	12.5	Silver
	Mira-Coil®	400	2B	160	2.2	15.0	Diamond	





## KEEP IN MIND:

### INDIVIDUALITY

Unlike its competitors on the market that claim only pocket springs guarantee this feature, all Leggett & Platt innersprings are made to isolate the movements of the mattress users.

### COMFORT

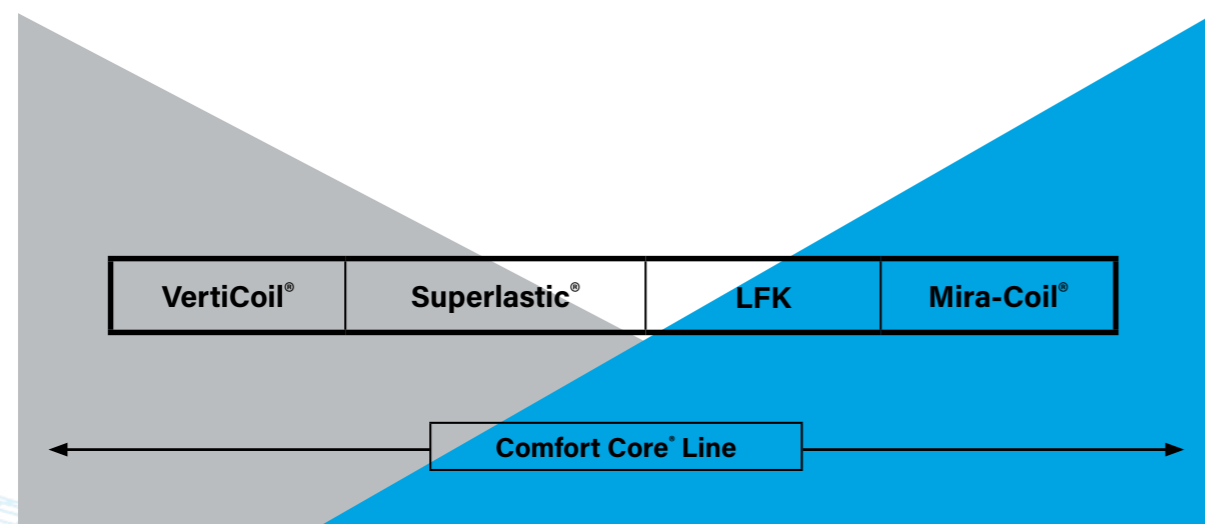
Which innerspring makes the mattress most comfortable? There is no classification of a more-or-less comfortable innerspring. The sensation of comfort is a subjective experience and influenced by various factors beyond just the innerspring itself. Therefore, it depends on each person.

### SOFTNESS VS. FIRMNESS

Leggett & Platt innersprings can be classified by the degree of softness or firmness of each one.

SOFTNESS

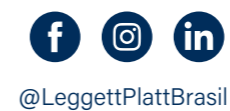
FIRMNESS



### LEGGETT & PLATT BRASIL – INNERSPRINGS FACILITY

Av. Genésio Vargas, 1425 | B. Cubatão  
Camanducaia/MG | CEP: 37.650-000  
Phone: +55 (35) 3433-8600  
Fax: +55 (35) 3433-8636

*Leggett & Platt*<sup>®</sup>  
BRASIL



@LeggettPlattBrasil

leggett.com.br